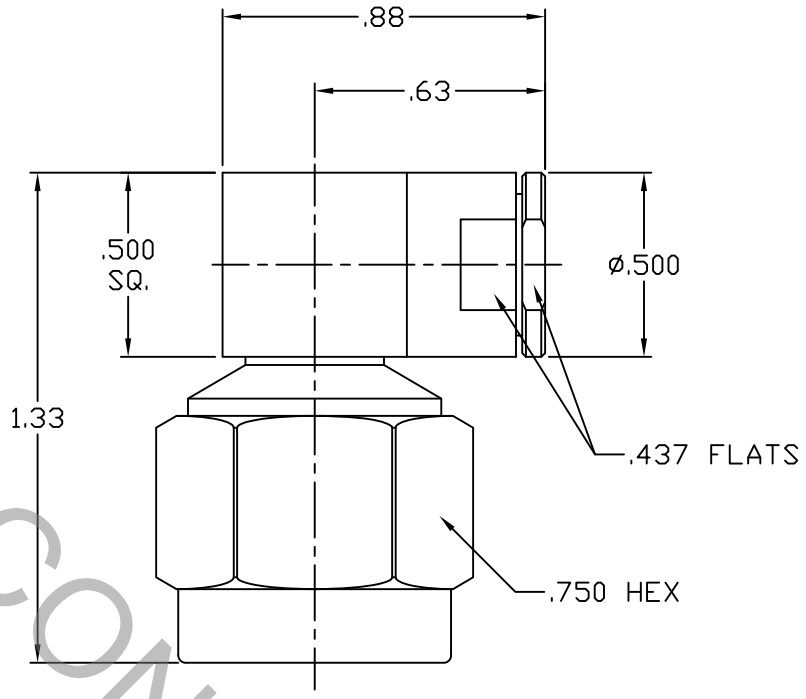
SPECIFICATION CONTROL DRAWING



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1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A (Fig. 304-1, TYPE "N" PLUG)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 11.0 GHz.
VSWR (MAX.) ❋	1.07 + .008 FGHz.
INSERTION LOSS (dB MAX.) ❋	.06 dB x $\sqrt{FGHz}$.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	500
RF LEAKAGE (MIN. dB DOWN)	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO +165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,500
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	2.0
• OUTER CONTACT (MAX. MILLIOHMS)	3.0

❋ TERMINATED IN A 50 OHM LOAD

RoHS COMPLIANT

REV.	DCN NO.	DATE	APP.
AA	10-1218	3/1/10	TS

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ±.030 .XX ±.010 .XXX ±.005	± 1/64	X° ±1°0' X° X' ±15'

SURFACE ROUGHNESS 63 √ MIL-STD 10.

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN	TS	DATE	3/1/10
APPROVED	DC	DATE	3/1/10

TITLE
TYPE "N", PLUG
RIGHT ANGLE
.250 DIA. SEMI-RIGID

CODE IDENT.	SHEET 1 OF 2
2J899	

DWG. NO. 7401-2545-2700

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT	
• MIN. AXIAL FORCE	6.0 LBS.
• MIN. RADIAL TORQUE	4.0 IN.OZS.
CENTER CONTACT AXIAL FORCES	
• INSERTION (MAX. OUNCES)	N/A
• WITHDRAWAL (MIN. OUNCES)	N/A
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.)	N/A
CONNECTOR DURABILITY (MIN. CYCLES)	1,000
RECOMMENDED MATING TORQUE	
INTERFACE	20/25 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–65 ° c TO + 200 °c)
SHOCK	MIL–STD–202, METHOD 213, COND. I (100 G's)
VIBRATION	MIL–STD–202, METHOD 204, COND. D (20 G's)
MOISTURE RESISTANCE	MIL–STD–202, METHOD 106, LESS STEP 7b
CORROSION	MIL–STD–202, METHOD 101, COND. B (48 HOURS)
BAROMETRIC PRESSURE (ALTITUDE)	MIL–STD–202, METHOD 105, COND. C (70,000 FT.) (375 VRMS)

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5. MATERIAL

CONNECTOR BODY, COUPLING NUT, CLAMP NUT AND SOLDER SLEEVE	BRASS PER ASTM B 16, TEMPER H02, ALLOY C36000.
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196/B, 196M–03, COPPER ALLOY No. UNS C17300, TEMPER TD04.
INSULATOR	TEFLON PER ASTM D 1710–02, TYPE 1, GRADE 1, CLASS B.
GASKET	SILICONE

6. FINISH

CONNECTOR BODY, COUPLING NUT, CLAMP NUT,	NICKEL PER QQ–N–290, CLASS 1 (.000050 MIN. THK.) OVER NICKEL (WOODS OR WATTS) .000010 MIN. THK.) OVER COPPER PER MIL–C–14550, (.000010 MIN. THK.)
SOLDER SLEEVE	GOLD PER ASTM–B–488, TYPE 1, CODE C, CLASS 1.25 (.000050 MIN. THK.) OVER NICKEL (WOODS OR WATTS) (.000150 MIN. THK.)
CENTER CONTACT	GOLD PER ASTM–B–488, TYPE 1, CODE C, CLASS 2.5 (.000100 MIN. THK.) OVER NICKEL PER QQ–N–290 (.000050 MIN. THK.) OVER COPPER PER MIL–C–14550
INSULATOR AND GASKET	N/A